AMENDMENT TO THE CLAIMS

1-38. **(Canceled)**

39. **(Currently Amended)** An integrally-formed immediate provisional dental implant elongated along an implant axis, comprising:

an abutment adapted to bond with a dental prosthesis;

a flexible neck segment connected to the abutment;

a body segment connected to the flexible neck segment, the body segment having threads extending helically about the implant axis, the thread diameter tapering non-linearly from a maximum adjacent the neck segment to a minimum at a distal end; and

a torque engagement segment position below the flexible neck segment and above the body segment, said torque segment configured to engage a torque-imparting tool, said torque segment comprising at least one flat surface an outer surface of the torque segment.

40. **(Previously Presented)** The immediate provisional dental implant of Claim 39, wherein the threaded body segment comprises an upper flared section proximal to the neck segment, an intermediate section and a tapered lower section distal from the neck segment, the lower section having a smaller angle of taper as compared to the upper section.

41. **(Original)** The immediate provisional dental implant of Claim 40, wherein threads of the upper flared section define a taper angle between about 6° and 14°.

42. **(Original)** The immediate provisional dental implant of Claim 40, wherein thread of the tapered lower section define a taper angle between about 3° and 7°.

43. **(Original)** The immediate provisional dental implant of Claim 40, wherein the neck segment is more narrow than both of the upper flared section of the body segment and the abutment.

44. **(Previously Presented)** The immediate provisional dental implant of Claim 40, wherein threads of the intermediate section have a constant diameter.

45. **(Original)** The immediate provisional dental implant of Claim 39, wherein the thread diameter is within the range of about 1.0 mm and 3.5 mm.

46. (**Previously Presented**) The immediate provisional dental implant of Claim 39, wherein the thread diameter is within the range of about 1.0 mm and 3.0mm.

47. (**Original**) The immediate provisional dental implant of Claim 39, wherein the body segment is at least about 12 mm in length.

48. (**Previously Presented**) The immediate provisional dental implant of Claim 39, wherein a length of the body segment is approximately equal to the thickness of the cortical layer of the bone in which the implant is to be emplaced.

49. (**Original**) The immediate provisional dental implant of Claim 39, wherein the neck segment and abutment form an extension from the body segment with a length of greater than about 3 mm.

50. (**Original**) The immediate provisional dental implant of Claim 49, wherein the neck segment and abutment form an extension from the body segment with a length of greater than about 5 mm.

51. (**Original**) The immediate provisional dental implant of Claim 39, having a total length along the implant axis of greater than 17 mm.

52. (**Original**) The immediate provisional dental implant of Claim 51, having a total length along the implant axis of greater than 20 mm.

53. (**Original**) The immediate provisional dental implant of Claim 39, having a thread depth tapering from a maximum thread depth adjacent the neck segment to a minimum thread depth adjacent the distal end.

54. (**Original**) The immediate provisional dental implant of Claim 53, wherein the maximum thread depth is between about 0.5 mm and 0.7 mm.

55. (**Original**) The immediate provisional dental implant of Claim 53, wherein a thread pitch of the body segment is in the range 0.8 mm to 1.8 mm.

56. (**Original**) The immediate provisional dental implant of Claim 39, comprising a plurality of flat facets on the outer surface of the neck segment.

57. (**Previously Presented**) The immediate provisional dental implant of Claim 39, consisting a material selected from the group consisting of titanium and alloys of titanium.

58-61. (**Canceled**)

62. (**Previously Presented**) The immediate provisional dental implant of Claim 39, wherein said torque engagement segment further comprises a plurality of flat surfaces configured to engage a wrench.

63. (**Withdrawn**) An integrally-formed immediate provisional dental implant elongated along an implant axis, comprising:

an abutment adapted to bond with a dental prosthesis;

a neck segment connected to the abutment.

a body segment connected to the neck segment, the body segment having threads extending helically about the implant axis, the threads having an apical surface increasing in width from a minimum adjacent the neck segment to a maximum at a distal end of the body segment; and

a torque engagement segment position between the neck segment and the body segment, said torque segment configured to engage a torque-imparting tool.

64. (**Withdrawn**) The immediate provisional dental implant of Claim 63, wherein increase in the width of the flat apical surface of the threads is non-constant.

65. (**Withdrawn**) The immediate provisional dental implant of Claim 63, wherein a diameter of the threads decreases as the width of the flat apical surface of the threads increases.

66. (**Withdrawn**) The immediate provisional dental implant of Claim 63, wherein the apical surface of the threads is flat.

67. (**Withdrawn**) The immediate provisional dental implant of Claim 66, wherein the apical surface of the threads is generally parallel to the implant axis.

68. (**Withdrawn**) The immediate provisional dental implant of Claim 63, wherein the width of the apical surface of the threads adjacent the neck segment is between 0.10mm and 0.15mm.

69. (**Withdrawn**) An integrally-formed immediate provisional dental implant elongated along an implant axis, comprising:

an abutment adapted to bond with a dental prosthesis;

a flexible neck segment connected to the abutment;

a body segment connected to the flexible neck segment, the body segment having threads extending helically about the implant axis, the thread diameter tapering non-

linearly from a maximum adjacent the neck segment to a minimum at a distal end, the threads having a flat apical surface increasing in width from a minimum adjacent the neck segment to a maximum at the distal end; and

a torque engagement segment position below the flexible neck segment and above the body segment, said torque segment configured to engage a torque-imparting tool.